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Division of Agricultural Statistics

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Iowa State College Extension Service

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IOWA AGRICULTURAL STATISTICS

PALO ALTO COUNTY

* * *

County Statistical Bulletin

No. 1 (Revised)

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Office of the Agricultural Statistician
305 United States Court House
Des Moines, Iowa



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IOWA CROP AND LIVESTOCK REPORTING SERVICE
Division of Agricultural Statistics
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IOWA AGRICULTURAL STATISTICS -- PALO ALTO COUNTY

County Statistical Bulletin No. 1

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FOREWORD

The Iowa Crop and Livestock Reporting Service is the Iowa unit of a nation-wide organization which is entrusted with the responsibility of operating a standard statistical service for agriculture. The Division of Agricultural Statistics is a division of the Iowa State Department of Agriculture working in cooperation with the Agricultural Marketing Service of the United States Department of Agriculture. The year 1939 marked the one-hundredth anniversary of the collection of statistics of agriculture in the United States.

The general program of the Iowa Crop and Livestock Reporting Service is to meet the public needs and demands for summary data of a historical nature and for current statistical information of agricultural production in Iowa and the United States.

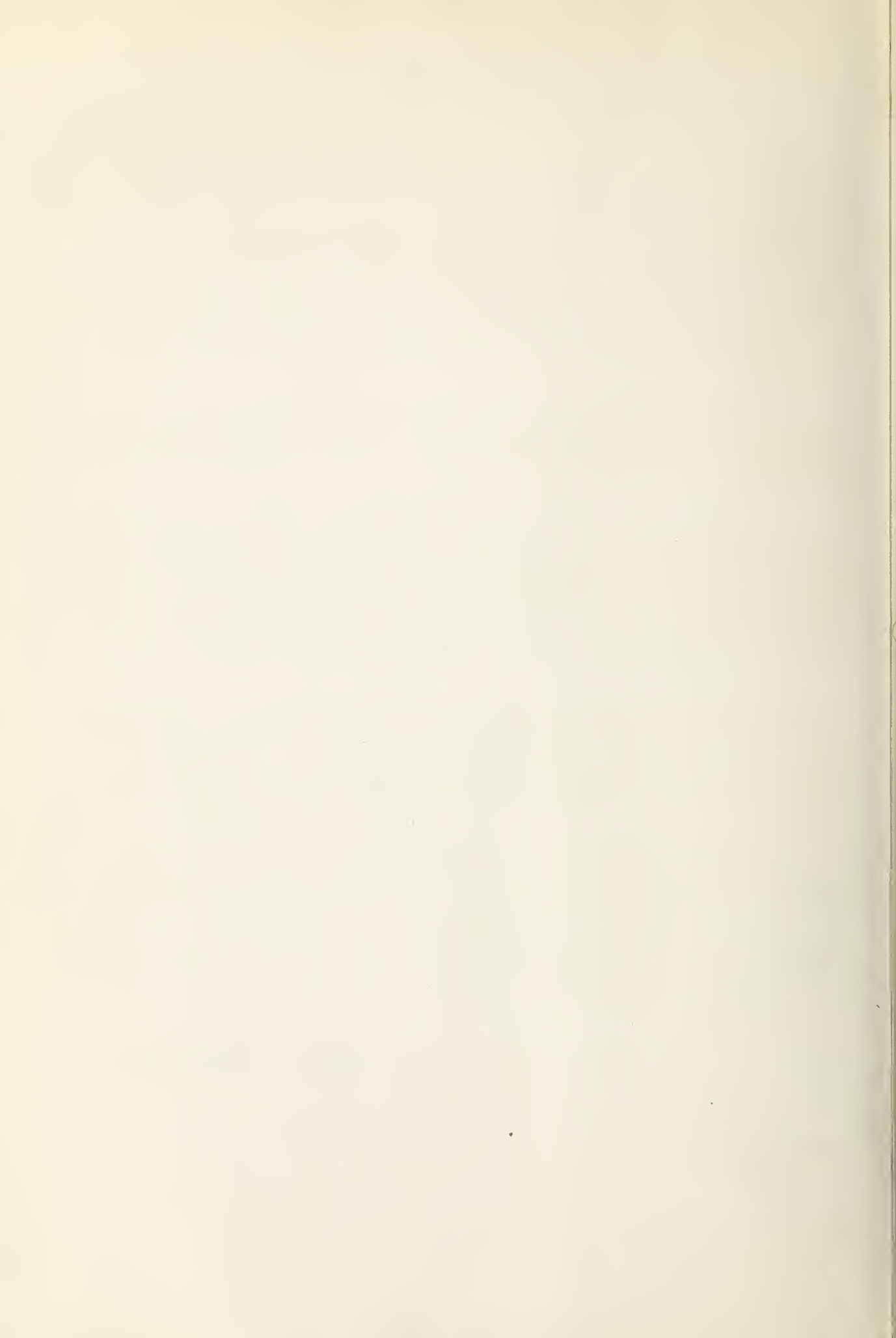
In recent years, there has been an increasing demand from agricultural organizations, commercial interests, teachers, legislators, and county, state and governmental agencies for agricultural data showing the trends of change in counties. Little has been done in the past to make available data for each county over an extended period of time. So urgent is the need for county data that some organizations have assembled such information at considerable cost. It is in response to these needs that this series is being issued.

The county data herein offered have been assembled from existing State and Federal documents and reports, under the supervision of Norman V. Strand, State-wide Work Projects Administration Supervisor of Agricultural Economics and Statistics projects. This is a report of work completed on Official Project 65-1-72-155 of the Work Projects Administration. Official Project 665-72-3-36 furnished the material for Tables 25 and 27.

The Iowa Agricultural Extension Service participated in the preparation of the materials in this report. Selected data from the files of the Iowa Agricultural Experiment Station have been released for publication in this series. Special credit is given to the Iowa assessors and tax officials who collect data on crops and livestock as required under the Iowa laws. Without these data by townships and counties detailed agricultural statistics would be less accurate and less complete.

Leslie M. Carl, Director
Division of Agricultural Statistics

Des Moines, Iowa
October, 1940



IOWA AGRICULTURAL STATISTICS - PALO ALTO COUNTY

Palo Alto County was established on January 15, 1851, 1/ and was named for the Battle of Palo Alto, the first battle of the Mexican War. The first settlers were members of an Irish colony who, in July, 1856, made claims in the vicinity of Medium Lake. They came from Kane County, Illinois, and engaged extensively in stock raising. The county was formally organized on December 20, 1858, and the county-seat was located at Paoli, on the east bank of the Des Moines River near the center of the county. A courthouse was built here, about two miles from the south end of Medium Lake. Later, Emmetsburg, a town laid out at the south end of Medium Lake, became the county-seat. 2/

The first railroad was the Chicago, Milwaukee and St. Paul, which was extended from Algona through Emmetsburg in 1878. 3/

The Grotto of the Redemption, an imposing religious allegorical building, constructed by Father Paul H. Dobberstein, is located at West Bend in the south-east part of the county. 4/

Area

Palo Alto County is approximately 24 miles square and contains 561 square miles, 5/ or 359,040 acres. Of this number, 353,223 acres are listed as farm lands. 6/ There are 16 townships in the county and it ranks fortieth in point of size in the State.

Soils

The soils of Palo Alto are grouped into three classes according to their origin and location; namely, drift, terrace, and swamp and bottom-land. The drift soils comprise 70.6 percent of the surface of the county and are divided into Clarion loams--37.7 percent, Clarion fine sand--0.2 percent, Clarion fine sandy loam--0.1 percent, Webster loams--32.5 percent, and Rogers silt loam--0.1 percent. The terrace soils cover 3.3 percent of the surface area and are divided into O'Neill fine sandy loam--1.7 percent, and the O'Neill loam--1.6 percent. The swamp and bottom-land soils cover 26.1 percent of the county and are divided into Lamoure silty clay loam--14.4 percent, Tabash silty clay--5.2 percent, Cass loams--5.1 percent and peat and muck--2.8 percent. 7/

1/ Gue, B. F., History of Iowa. Vol. III, pp. 397-398. The Century History Co., New York City, 1901.

2/ Andreas, A. T., Andreas Historical Atlas of Iowa. p. 384. Andreas Atlas Co., Chicago, 1875.

3/ McCarty, Dwight G., History of Palo Alto County. The Torch Press, Cedar Rapids, Iowa. 1910. p. 133.

4/ Iowa, A Guide to the Hawkeye State. Compiled and written by the Federal Writers' Project of the Work Progress Administration for the State of Iowa. p. 446. The Viking Press, New York City, 1938.

5/ United States Bureau of the Census. Fifteenth Census of the United States: 1930. Populations. Vol. I, pp. 362-363.

6/ United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa. p. 15.

7/ Iowa Agricultural Experiment Station. Soil Survey of Iowa, Palo Alto County. Soil Survey Report No. 22: 13-14. 1922.



Topography

The surface of Palo Alto County is, for the most part, gently undulating to rolling. It consists of a broad drift covered plain whose surface has been only slightly modified through erosion. In the four northeastern townships, and in the southeastern townships lying to the east of the West Des Moines River, there are low hills rising from the broad flat plains. West of the river, the surface becomes more rolling and in the extreme western part of the county the surface is more or less irregular and is made up of a succession of hills and depressions. In the northwestern part of the county, along the Emmet County line, the topography becomes rough and broken and many of the hills rise to 50 or 100 feet. Here, too, the slopes are steeper and the hills more sharply defined than in the remainder of the morainic area. Rough areas are found in the southeastern sections of Highland Township, the northeastern sections of Silver Lake Township, and in the southwestern sections of Walnut Township. Narrow strips of rough broken land extend on both sides of the West Fork of the Des Moines River and Jack Creek in the vicinity of Greattinger. The first and second bottoms are developed along the larger drainageways and peat areas are found in the beds of more or less extinct lakes. The drainage of the county is carried mostly by the West Fork of the Des Moines River which flows southeasterly across the county. A small area in the northwest corner is drained by the Little Sioux River. 9/

Climate

The average temperature for 10 years (1930-1939 inclusive) was 45.6 degrees. 9/ The average precipitation for 43 years (1937-1930) was 29.14 inches, and the growing season averaged 143 days between the killing frost dates of May 7 and October 2, recorded over a period of 36 years (1894-1930). 10/

Population

The population growth was extremely slow until the advent of the railroad in 1870. Since 1900, the population has remained relatively constant. The county has a density of 27 persons per square mile, as compared with the State density of 44. The following table shows the number of inhabitants recorded at 10-year intervals:

<u>Year</u>	<u>Inhabitants</u>	<u>Urban</u>	<u>Rural</u>
1860	132	-	-
1870	1,336	-	-
1880	4,131	-	-
1890	9,313	-	-
1900	14,354	4,960	9,394
1910	15,845	4,623	9,217
1920	15,436 <u>11/</u>	6,647 <u>12/</u>	8,339
1930	15,398 <u>13/</u>	6,309	9,081 <u>14/</u>
1935	-	-	9,339

8/ Iowa Agricultural Experiment Station. Soil Survey of Iowa, Palo Alto County. Soil Survey Report No. 22: 10-11-12. 1922.

9/ Reed, Charles D., Sr. Meteorologist. United States Weather Bureau. Des Moines, Iowa. Unpublished data.

10/ United States Weather Bureau. Climatic Summary of the United States from establishment of stations to 1930, inclusive. Section 51--Central Iowa. pp. 17-19. 1933.

11/ Census of Iowa. 1925. pp. 714-715. 1926.

12/ Ibid. 925 et seq.

13/ Iowa Official Register, 1937-1938. Thirty-seventh Number. pp. 368 et seq.

14/ United States Bureau of the Census. United States Census of Agriculture: 1935. p. 15.

In 1930 the foreign born and native white inhabitants of foreign born or mixed parentage totaled 5,646, or 36.6 percent of the total population. Of this number, those of German descent had 1,494, the Norwegians had 993, the Irish had 795, the Danes had 718, and the Swedes had 410. Other nationalities had very small representations. 15/

Cooperatives

In 1937 there were 20 cooperative institutions in operation in this county-- 5 elevators, 7 creameries, 6 livestock enterprises and 2 petroleum plants.

As a whole, they had 2,944 members, of which 2,659 were active, and 5,362 persons did business with the 20 concerns. The selling cooperatives had a business volume of \$2,693,405 and the purchasing cooperatives transacted \$275,000 worth of business.

Cooperatives may both buy and sell or they may perform one or the other function exclusively. Purchasing cooperatives buy non-farm commodities for distribution to their members and patrons, and selling cooperatives market farm commodities for their members and patrons. 16/

Fruit

The best year for apples was in 1909 when 35,623 trees and 32,561 bushels were reported. In 1914, the record year for plums, 10,950 trees and 1,503 bushels were listed. The greatest number of grape vines, 5,299, was reported in 1914, but the greatest production, 5,630 pounds, was listed in 1934. Cherries and peaches have never been of any consequence. 17/

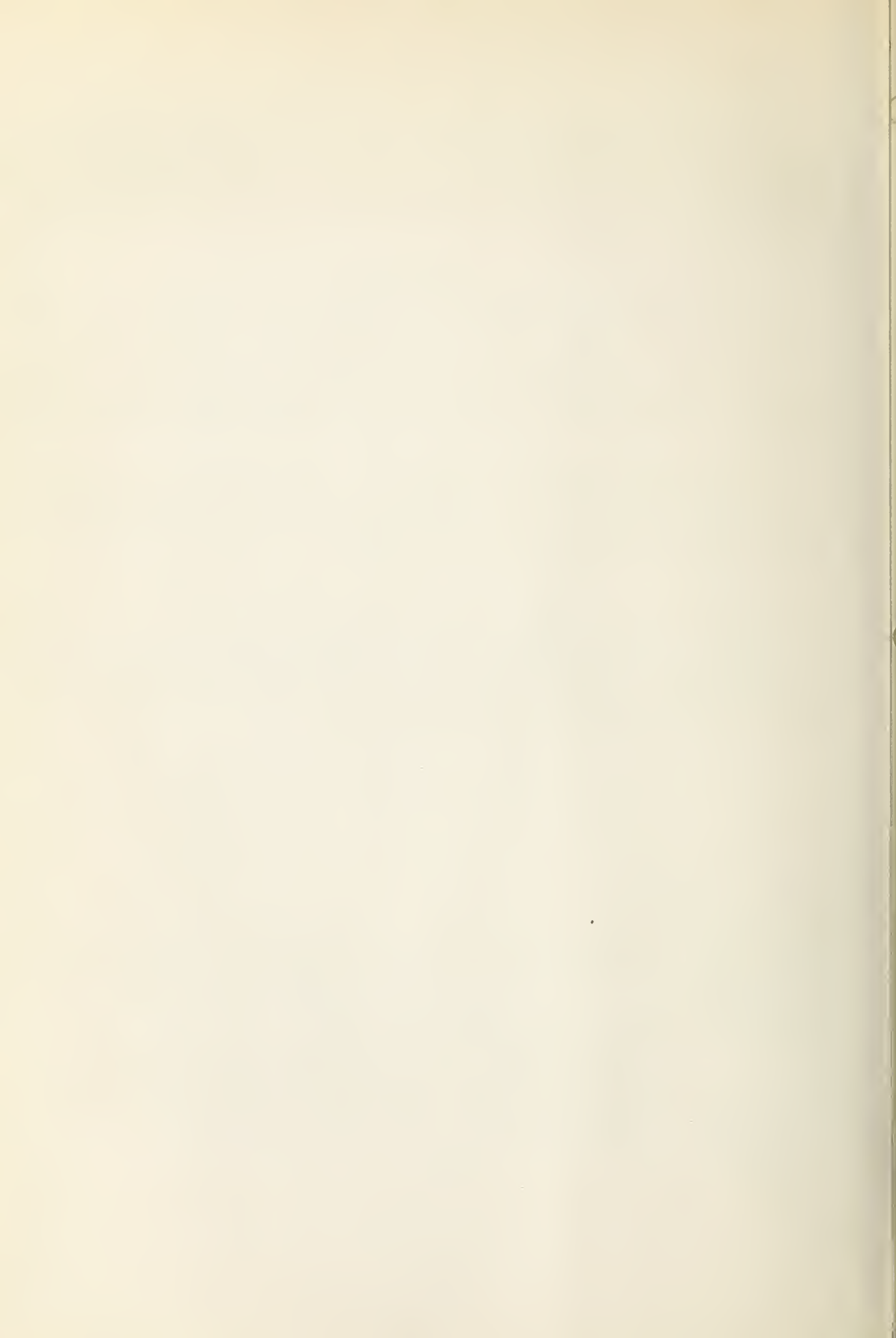
15/ United States Bureau of the Census. Fifteenth Census of the United States: 1930. Populations. Vol. III, Part 1, Tables 13-19, pp. 735-783.

16/ Unpublished data from: Omaha Farm Credit Administration and Iowa State College.

17/ Sources: 1. Census of Iowa. 1875, 1895, 1935.

2. United States Bureau of the Census. Thirteenth Census of the United States: 1910. Agriculture: Iowa. Bulletin.

3. United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa Statistics by Counties, Second Series. 1936.



Note Regarding Yields of Corn

The crop assessors' statistical breakdown for corn acreage is as follows: (1) all corn, (2) corn husked for grain, (3) corn cut for silage, (4) corn cut for fodder and (5) corn hogged off. Total production is given for each farm which includes only that actually husked. In getting county totals of production the acreage other than that husked is multiplied by the yield (derived by dividing total bushels corn husked by total acres husked) and added to summations of individual farm productions shown as husked. This assumes that acreage not husked would have produced the same yield as that actually husked.

In 1934 and 1936, both poor crop years, separate estimations of corn yield on acreage not husked were made by the State assessors' office because it was felt that farmers in those years would select their best acreages for husking and cut or hog off the rest, which would have a different and lower yield. This separate yield estimation was then multiplied by the acreage not husked and the total added to that reported as husked.

This was done by counties only and not by townships. The township yields for these two years, then, are somewhat high since they are based only on acreage husked for grain and bushels husked. The total corn acreage is shown by township with this yield, and any attempt to multiply it by the acreage shown to get total production will result in a too high figure. The county summary table figures for corn yield in 1934 and 1936 have been adjusted for poorer yields on that acreage not husked and these yields may legitimately be multiplied by the acreages shown there to arrive at total productions for the county.

In all other years actual township productions may be derived from the yield and acreage figures shown in the tables since corn yield has been assumed to be equal in all utilizations. The county yield and township yields are, therefore, consistent in all years except 1934 and 1936.

TABLE 1
LAND UTILIZATION AND YIELDS, 1929-1938
County Summary

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	1829	344013	133	129137	35	99036	36	372	15	3090	28
1930	1836	344014	137	133731	30	99957	36	275	16	4513	29
1931	1812	345327	191	137137	34	97641	35	444	17	4546	29
1932	1817	347024	191	136033	38	101952	33	724	14	5717	21
1933	1856	350256	189	138545	44	105496	15	540	11	5600	11
1934	1260	347644	137	106909	35	97999	16	572	11	3700	13
1935	1833	347659	135	120192	40	109563	34	761	20	6214	24
1936	1877	348324	136	128977	23	93739	23	631	22	2415	19
1937	1864	347557	136	130607	45	96272	46	962	17	2260	30
1938	1822	347463	191	120639	53	93585	36	774	16	1366	29
10 Yr. Ave.	1846	347029	138	120206	33	100384	32	606	16	4573	23

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	3925	16	18	17	25	75	-	4999	11624
1930	5234	17	76	11	-	20	28	6032	12641
1931	4526	13	21	21	-	-	-	6375	11679
1932	2383	7	35	15	3	-	24	3213	12921
1933	955	0	40	16	-	25	6	7336	12062
1934	1226	6	545	4	55	-	114	7369	17320
1935	946	13	401	11	59	32	206	9359	16532
1936	764	14	563	11	70	-	216	10274	15059
1937	1207	17	1904	14	35	73	110	11314	17102
1938	1251	16	2901	18	16	66	143	11065	19271
10 Yr. Ave.	2092	13	650	15	32	29	35	8339	14707

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings Feedlots Highways Acres	Woodlots for Tim- ber Only Acres	Waste- land Acres	Idle Crop Land Acres
1929	3379	53724	1376	13372	395	2004	191
1930	7791	61724	1333	17348	154	1036	63
1931	6814	61266	734	13730	269	1345	37
1932	6327	59051	561	13131	261	2156	190
1933	6255	56705	1150	17152	551	1349	3350
1934	6236	61640	4236	17304	765	2332	25633
1935	6270	60829	3033	17942	611	2477	1523
1936	5353	66335	1347	13606	765	2093	7536
1937	5624	62335	1646	19041	233	2333	4622
1938	5560	60934	2511	19315	475	4010	9217
10 Yr. Ave.	6566	60964	1803	13295	498	2324	5240

10-Year Average Acres: Flaxseed 236; Spring Wheat 60; Popcorn 42. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 2
ACREAGE AND YIELDS OF HAY
County Summary

Year	Mixed Clover & Timothy		Alfalfa		Wild Hay		All Tame Hay	
	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre
1929	5,520	1.45	4,999	2.42	3,879	.93	11,624	1.83
1930	3,956	1.09	6,082	2.64	7,791	.92	12,641	1.82
1931	1,695	.74	6,875	2.01	6,314	.41	11,679	1.51
1932	1,561	1.00	8,216	3.00	6,327	1.45	12,921	2.31
1933	2,676	1.26	7,336	1.92	6,255	.40	12,062	1.64
1934	1,583	.93	7,369	1.95	6,236	.78	17,323	1.66
1935	2,252	1.95	9,359	2.26	6,270	1.50	16,582	1.99
1936	2,403	1.10	10,274	2.05	5,853	.39	15,859	1.74
1937	2,280	1.45	11,314	2.52	5,624	.85	17,102	2.12
1938	2,905	1.70	11,065	2.32	5,560	1.20	19,271	1.94
10 Yr. Ave.	2,484	1.31	8,339	2.31	6,566	.91	14,707	1.67

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 5
LAND UTILIZATION AND YIELDS

Booth Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	102	20839	204	8508	37	6341	36	-	-	507	31
1930	109	21846	200	8398	38	7295	39	-	-	216	30
1931	106	21243	200	9272	35	6136	33	-	-	392	30
1932	105	22063	210	9100	37	6311	35	-	-	382	21
1933	105	21560	205	9222	46	6616	14	-	-	545	12
1934	107	21198	198	6966	32	5992	16	-	-	374	14
1935	106	21345	206	7684	43	7159	34	-	-	770	23
1936	109	21788	200	8552	24	5930	30	2	15	219	23
1937	104	21924	211	8660	55	6491	51	-	-	223	30
1938	100	21955	220	7872	57	6596	41	-	-	65	37
10 Yr.Ave.	105	21627	205	8472	41	6537	33	.2	2	370	23

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als.Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	141	19	-	-	-	-	-	345	723
1930	166	24	35	11	-	20	-	434	876
1931	69	24	-	-	-	-	-	489	339
1932	5	15	-	-	-	-	-	561	980
1933	19	5	-	-	-	-	-	558	983
1934	49	15	-	-	-	-	18	434	1156
1935	107	17	23	10	-	25	56	555	1222
1936	56	21	-	-	-	-	-	634	1138
1937	30	17	247	16	-	12	33	777	1152
1938	-	-	295	20	12	34	12	639	1270
10 Yr.Ave.	64	20	60	18	1	9	12	548	1039

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	178	3073	102	1169	-	92	-
1930	90	2977	31	1104	13	132	-
1931	31	3230	14	1103	5	57	20
1932	91	3366	15	1120	16	166	-
1933	97	2699	103	1074	17	98	82
1934	77	3419	446	1054	14	91	1342
1935	65	3311	32	1167	6	83	152
1936	74	3217	21	1119	45	123	1262
1937	72	3533	-	1173	15	179	51
1938	56	4039	32	1237	-	8	411
10 Yr.Ave.	39	3295	30	1138	14	103	352

10 Year Average Acres: Flaxseed 7; Spring Wheat 5; Popcorn 0. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 4
LAND UTILIZATION AND YIELDS

Ellington Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	104	20956	202	8160	35	6645	36	48	26	442	25
1930	121	21863	181	9583	29	7238	33	121	16	196	23
1931	105	21501	205	9022	32	6999	34	131	18	162	16
1932	100	21698	217	8934	33	7270	35	72	11	51	18
1933	114	22640	199	9355	45	8280	17	38	13	61	11
1934	108	22793	211	7122	36	7632	17	63	9	86	13
1935	113	22304	202	8096	39	8021	34	115	16	234	19
1936	112	22847	204	9256	24	6992	29	65	18	90	16
1937	104	22374	215	8759	52	6849	45	26	18	99	17
1938	104	22796	219	8224	52	6717	35	69	16	64	34
10 Yr. Ave.	109	22227	205	8652	33	7265	31	75	16	149	21

Year	RYE		SOYBEANS		GRASS SEED			TALL HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Cover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	40	14	-	-	-	-	-	275	639
1930	54	20	23	7	-	-	-	305	651
1931	136	15	-	-	-	-	-	328	471
1932	179	10	-	-	-	-	-	441	695
1933	88	5	-	-	-	-	3	402	553
1934	103	7	11	4	-	-	38	464	1060
1935	58	20	8	12	-	7	-	452	671
1936	52	16	15	16	-	-	-	504	709
1937	57	19	137	14	-	-	-	642	236
1938	61	17	295	19	-	-	-	589	1000
10 Yr. Ave.	83	13	49	16	0	1	4	440	723

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	642	2954	22	1046	31	244	35
1930	587	2607	113	646	-	44	-
1931	431	2653	81	1320	6	39	-
1932	315	2946	70	1102	-	50	-
1933	452	2507	103	1023	8	124	39
1934	494	2620	512	1102	43	167	1740
1935	503	3144	229	1097	6	237	385
1936	417	2647	32	1225	-	277	1070
1937	396	2527	61	1215	4	395	955
1938	430	2533	66	1237	40	538	1372
10 Yr. Ave.	477	2725	129	1106	14	212	559

10-Year Average Acres: Flaxseed 14; Spring Wheat 5; Popcorn 9. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 5
LAND UTILIZATION AND YIELDS

Emmetsburg Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	109	20461	183	6669	29	5037	27	-	-	505	22
1930	109	19805	182	6310	23	4763	32	18	17	133	27
1931	109	20391	187	6113	29	5014	31	-	-	87	30
1932	110	20096	183	6344	37	4758	31	20	20	96	26
1933	109	20079	184	6324	33	3843	7	-	-	131	5
1934	111	19660	177	5246	32	4476	11	25	14	173	11
1935	108	20094	186	6119	36	5449	30	20	8	384	16
1936	105	20099	191	6141	19	4503	25	-	-	75	13
1937	105	20054	191	5960	40	4960	46	107	10	23	33
1938	103	20072	195	5769	48	5095	33	27	9	45	25
10 Yr.Ave.	108	20081	186	6100	33	4790	23	22	12	165	19

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	336	12	-	-	-	-	-	146	464
1930	516	14	-	-	-	-	-	134	464
1931	670	14	-	-	-	-	-	115	361
1932	275	6	-	-	-	-	-	158	506
1933	148	6	-	-	-	-	-	173	466
1934	195	3	175	5	55	-	-	152	643
1935	25	8	170	4	55	-	52	265	618
1936	40	3	20	4	70	-	-	330	527
1937	136	20	383	12	-	-	-	436	805
1938	117	20	290	14	-	-	-	436	846
10 Yr.Ave.	246	12	104	10	18	0	5	234	570

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	1087	5132	30	1130	-	71	-
1930	917	5683	5	996	-	-	-
1931	693	6285	40	1013	-	115	-
1932	694	6242	-	931	-	150	80
1933	879	5775	20	962	107	25	1599
1934	732	4618	324	1027	90	162	1719
1935	957	4732	203	959	90	162	99
1936	911	5708	105	1061	14	133	706
1937	855	5231	146	968	16	177	237
1938	1009	5255	133	1131	47	134	174
10 Yr.Ave.	873	5466	101	1018	36	113	454

10-Year Average Acres: Flaxseed 4; Spring Wheat 3; Popcorn 0. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 6
LAND UTILIZATION AND YIELDS

Fairfield Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BERLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	115	21712	192	8736	31	6621	34	-	-	597	27
1930	112	22360	200	8930	29	6943	33	10	12	215	23
1931	104	22274	214	9286	34	6653	38	30	12	169	30
1932	110	22005	200	9190	36	7392	35	30	10	140	27
1933	113	22503	199	9161	45	7191	16	25	2	360	12
1934	118	22557	191	7205	37	7465	17	65	10	112	13
1935	123	22260	181	8687	58	7516	36	15	19	155	27
1936	122	22540	185	9060	25	7302	27	10	20	87	12
1937	119	22475	189	9161	42	6910	47	44	15	97	25
1938	114	22370	196	9119	55	6897	35	11	15	41	17
10 Yr.Ave.	115	22306	194	8762	37	7038	32	24	12	193	25

Year	RYE		SOYBEANS		GRASS SEED			TALL GRASS	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Time Hay Acres
1929	135	11	-	-	-	-	-	212	554
1930	73	15	-	-	-	-	9	235	617
1931	124	16	-	-	-	-	-	237	527
1932	42	7	-	-	8	-	-	322	463
1933	26	8	-	-	-	-	-	305	527
1934	60	2	7	11	-	-	-	357	1113
1935	62	11	-	-	-	-	-	446	727
1936	55	6	5	10	-	-	-	479	649
1937	4	26	174	15	-	-	-	591	903
1938	139	17	292	13	-	-	-	541	903
10 Yr.Ave.	75	12	40	17	1	0	1	330	696

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	674	2753	237	1320	25	63	12
1930	949	3111	195	1284	-	24	-
1931	856	3333	174	1117	-	-	-
1932	654	2969	78	1012	-	19	-
1933	599	2990	76	1150	54	14	345
1934	645	2923	253	1343	60	175	1033
1935	613	2659	200	1263	53	135	117
1936	586	2736	96	1201	87	133	455
1937	695	2576	57	1319	19	193	323
1938	585	2340	123	1313	14	421	667
10 Yr.Ave.	686	2338	150	1241	31	123	295

10-Year Average Acres: Flaxseed 43; Spring Wheat 0; Popcorn 4. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Time Hay."

TABLE 7
LAND UTILIZATION AND YIELDS

Fern Valley Township

Pein Valley, Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	100	22734	228	8022	36	7149	36	75	20	511	33
1930	98	22637	231	8352	30	7445	40	10	20	116	32
1931	101	22634	224	8946	33	6839	41	40	25	70	26
1932	96	21922	228	8416	40	7313	38	-	-	142	34
1933	98	22807	233	9007	43	7579	24	-	-	192	17
1934	97	22711	234	8710	39	6998	20	-	-	36	15
1935	100	22209	222	7399	40	7966	35	-	-	240	29
1936	100	22674	227	8238	25	6716	32	-	-	106	25
1937	100	22262	223	8196	47	6844	43	-	-	58	24
1938	97	21937	227	7880	56	6990	36	-	-	-	-
10 Yr. Ave.	99	22465	228	8125	40	7129	35	12	22	132	27

Year	RYE		SOYBEANS		GRASS SEED			TIMOTHY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Wls. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	225	11	-	-	-	-	-	453	637
1930	150	13	-	-	-	-	-	502	1064
1931	75	21	-	-	-	-	-	584	937
1932	30	20	-	-	-	-	-	563	856
1933	160	10	7	9	-	-	-	540	817
1934	-	-	-	-	-	-	-	501	996
1935	-	-	-	-	-	-	35	703	1100
1936	-	-	-	-	-	-	73	732	1069
1937	1	20	45	20	60	-	-	663	836
1938	21	14	42	19	1	-	4	625	1120
10 Yr. Ave.	66	14	9	19	6	0	12	585	948

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	615	4009	371	1246	-	64	-
1930	339	3642	230	1099	-	30	10
1931	265	4142	-	1153	20	42	-
1932	307	3503	-	1160	15	175	-
1933	235	3614	12	1032	3	64	30
1934	243	4702	14	1036	3	312	1556
1935	363	4057	12	997	20	15	-
1936	359	4393	4	1123	-	6	79
1937	259	4797	3	1111	-	-	52
1938	176	4598	3	1094	-	45	-
10 Yr. Ave.	327	4196	70	1111	7	30	173

10-Year Average Acres: Flaxseed 1; Spring Wheat 1; Popcorn 0. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 5
LAND UTILIZATION AND YIELDS

Freedom Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	101	19380	192	7429	29	6164	30	-	-	541	26
1930	95	19490	205	7699	54	6372	21	-	-	40	33
1931	95	19603	206	8152	36	6769	32	-	-	17	35
1932	98	19830	202	8099	36	6761	35	325	17	105	24
1933	97	19873	205	8100	43	6696	15	460	11	435	14
1934	95	20964	221	6692	37	6618	16	317	12	164	20
1935	98	20226	206	7421	38	7344	32	391	25	170	26
1936	90	20281	207	7763	25	6183	30	315	26	130	24
1937	96	20203	210	7380	43	5942	49	291	21	160	30
1938	95	20671	222	7833	50	6259	32	240	17	120	20
10 Yr. Ave.	97	20052	208	7702	37	6513	30	234	12	191	23

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	320	15	-	-	-	-	-	249	554
1930	255	25	-	-	-	-	-	281	476
1931	126	21	-	-	-	-	-	321	465
1932	25	10	-	-	-	-	24	294	453
1933	7	21	-	-	-	-	-	290	430
1934	33	14	-	-	-	-	-	309	1417
1935	12	0	-	-	-	-	-	369	623
1936	49	13	-	-	-	-	19	430	859
1937	2	12	33	15	-	30	-	519	822
1938	-	-	212	15	-	-	42	497	1030
10 Yr. Ave.	83	19	24	14	0	3	0	356	719

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber Only Acres	Waste-land Acres	Idle Crop Land Acres
1929	432	2669	69	899	-	244	69
1930	314	3170	82	893	-	181	-
1931	238	2532	90	939	4	223	22
1932	272	2690	21	1030	-	25	-
1933	324	2245	15	1018	-	125	10
1934	336	2442	61	1097	45	310	1434
1935	237	2376	249	1097	6	209	23
1936	262	3181	32	1109	16	145	213
1937	162	3295	50	1141	5	155	257
1938	215	2629	67	1076	25	173	745
10 Yr. Ave.	279	2724	74	1029	10	180	270

10-Year Average Acres: Flaxseed 22; Spring Wheat 0; Popcorn 1. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 9
LAND UTILIZATION AND YIELDS

Great Oak Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		CATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	105	22310	217	8250	37	6709	33	-	-	401	23
1930	102	22332	224	8798	31	6634	35	-	-	350	24
1931	103	22727	210	9144	33	6572	32	-	-	132	23
1932	109	23029	211	9101	34	6974	33	-	-	146	21
1933	113	23033	204	9553	41	7469	12	7	4	72	13
1934	110	22736	207	7337	30	6360	13	-	-	137	10
1935	112	22622	202	8140	37	7183	28	-	-	116	16
1936	117	23011	197	8816	24	6501	27	15	8	74	15
1937	114	22476	197	8744	45	6539	44	-	-	39	24
1938	111	23162	209	8373	52	6769	36	2	32	53	25
10 Yr. Ave.	110	22854	200	8627	37	6771	29	2	9	153	21

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	210	15	2	10	-	75	-	143	544
1930	159	18	-	-	-	-	-	215	485
1931	333	11	-	-	-	-	-	298	453
1932	235	7	-	-	-	-	-	360	544
1933	36	5	-	-	-	-	-	216	453
1934	250	4	32	10	-	-	-	263	936
1935	35	15	63	18	-	-	-	472	954
1936	71	3	80	10	-	-	-	486	1003
1937	43	20	103	10	8	-	-	534	955
1938	49	14	105	23	-	-	-	500	1049
10 Yr. Ave.	153	11	39	15	1	3	0	350	756

Year	Wild Hay	All Pasture	All Other Crops	Buildings, Feedlots, Highways	Woodlots for Timber Only	Waste-land	Idle Crop Land
	Acres	Acres	Acres	Acres	Acres	Acres	Acres
1929	1345	4111	60	1130	5	35	-
1930	1149	4037	78	1135	-	7	-
1931	749	3932	131	1134	39	8	-
1932	1035	3703	19	1159	23	20	20
1933	795	3001	23	1071	22	134	392
1934	781	3631	382	1251	20	66	1545
1935	664	4077	91	1192	-	124	64
1936	752	4072	-	1312	163	64	0
1937	725	3741	3	1313	2	52	199
1938	703	4033	103	1500	50	47	310
10 Yr. Ave.	875	3839	90	1221	34	56	254

10-Year Average Acres: Flaxseed 33; Spring Wheat .5; Popcorn 1. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 10
LAND UTILIZATION AND YIELDS

Highland Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		CATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	126	20784	165	7405	35	4985	35	-	-	920	29
1930	132	20939	159	7521	27	4863	39	-	-	666	32
1931	126	20371	166	7679	33	4825	35	4	14	624	27
1932	125	21276	170	7376	36	4839	32	4	20	230	21
1933	126	21129	163	7304	43	5429	9	-	-	302	9
1934	130	21106	162	5313	33	4761	16	5	9	572	11
1935	136	21107	155	6340	40	5336	30	-	-	1073	24
1936	133	21162	156	7443	26	4866	23	-	-	391	17
1937	140	21107	151	7212	42	4983	44	12	12	415	31
1938	137	21137	155	6730	55	5188	35	23	9	362	29
10 Yr. Ave.	151	21067	160	7188	38	5002	30	5	11	670	23

Year	RYE		SOYBEANS		GRASS SLED			TIMOTHY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	241	25	-	-	-	-	-	611	842
1930	162	25	-	-	-	-	10	641	1009
1931	140	14	-	-	-	-	-	329	1059
1932	5	53	-	-	-	-	-	963	1217
1933	-	-	6	20	-	-	-	364	1128
1934	2	14	-	-	-	-	31	390	1434
1935	-	-	19	16	-	-	-	1053	1292
1936	13	9	10	2	-	-	8	1022	1221
1937	36	12	37	16	-	3	-	1047	1361
1938	34	17	21	18	-	15	-	1041	1405
10 Yr. Ave.	74	20	9	15	0	2	5	396	1202

Year	Wild Hay	All Pasture	All Other Crops	Buildings, Feedlots, Highways	Woodlots for Timber Only	Waste-land	Idle Crop Land
	Acres	Acres	Acres	Acres	Acres	Acres	Acres
1929	232	3960	91	1419	44	45	-
1930	723	4454	35	1338	23	77	10
1931	516	4636	52	1258	15	63	-
1932	637	4216	77	1409	-	113	-
1933	531	3905	103	1314	5	62	35
1934	576	4135	666	1297	107	173	1476
1935	502	4192	465	1291	117	220	180
1936	602	4294	234	1333	77	220	395
1937	579	4074	253	1341	63	224	460
1938	566	4050	243	1329	51	239	346
10 Yr. Ave.	614	4191	232	1333	51	145	340

10-Year Average Acres: Flaxseed 7; Spring Wheat 14; Popcorn 1. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 11
LAND UTILIZATION AND YIELDS

Independence Township											
Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	120	22619	188	9406	37	7017	39	45	7	475	29
1930	115	22583	196	9545	34	7216	40	20	15	213	29
1931	120	22633	189	9824	36	6722	36	23	14	259	23
1932	120	22646	189	9673	46	6655	39	30	13	590	19
1933	120	22619	188	9505	46	7031	15	-	-	391	14
1934	122	22619	185	7535	30	6340	13	11	11	329	14
1935	120	22503	188	8514	44	7426	43	16	13	544	32
1936	123	22730	185	8099	21	7125	33	17	21	272	22
1937	121	22716	188	9155	46	6724	49	16	30	303	34
1938	117	22672	194	8095	53	6372	38	19	22	342	33
10 Yr. Ave.	120	22642	189	8995	41	6969	35	20	16	373	25
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	294	19	-	-	25	-	-	136	850		
1930	273	13	-	-	-	-	-	271	941		
1931	333	14	-	-	-	-	-	308	864		
1932	267	8	-	-	-	-	-	555	873		
1933	30	12	-	-	-	-	-	496	848		
1934	137	10	4	11	-	-	17	632	1062		
1935	121	19	-	-	-	-	-	794	1279		
1936	36	21	70	15	-	-	-	956	1239		
1937	173	15	104	14	-	-	62	1030	1341		
1938	33	17	202	22	-	-	55	1049	1635		
10 Yr. Ave.	136	14	38	19	2	0	13	641	1093		
Year	Wild Hay	All Pasture	All Other Crops	Buildings, Feedlots, Highways	Woodlots for Timber Only	Waste-land	Idle Crop Land				
	Acres	Acres	Acres	Acres	Acres	Acres	Acres				
1929	427	2511	29	1410	21	109	-				
1930	252	2325	49	1337	-	64	43				
1931	217	2932	22	1339	-	68	25				
1932	167	2852	52	1454	-	25	-				
1933	294	2932	109	1223	-	58	90				
1934	205	2387	166	1350	30	151	1937				
1935	208	2750	145	1291	-	184	105				
1936	135	2372	127	1299	-	136	393				
1937	172	2353	135	1346	-	111	211				
1938	136	3005	94	1461	5	151	462				
10 Yr. Ave.	226	2347	99	1351	6	106	313				

10-Year Average Acres: Flaxseed 27; Spring Wheat 1; Popcorn 6. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 12
LAND UTILIZATION AND YIELDS

Lost Island Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	137	21719	159	7211	34	5308	40	-	-	843	33
1930	138	21606	157	7943	22	5073	39	-	-	585	32
1931	139	21269	153	7821	34	4791	34	12	25	695	31
1932	140	21293	152	7864	41	5449	36	-	-	566	22
1933	137	21268	155	7792	41	5196	14	-	-	751	12
1934	137	21373	156	5581	37	4842	17	-	-	599	15
1935	138	21370	155	6272	43	5070	36	16	5	533	23
1936	128	21364	167	6068	27	4160	29	-	-	177	21
1937	127	21331	168	6450	43	4710	45	-	-	293	29
1938	142	21082	148	6765	54	5220	32	-	-	294	29
10 Yr. Ave.	136	21368	157	6977	38	4982	32	3	13	534	25

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	20	20	-	-	-	-	-	502	1147
1930	20	15	-	-	-	-	7	605	1158
1931	43	12	-	-	-	-	-	578	1124
1932	-	-	12	15	-	-	-	613	886
1933	5	8	-	-	-	-	3	708	1072
1934	-	-	-	-	-	-	-	739	1531
1935	20	9	-	-	-	-	20	940	1602
1936	15	20	-	-	-	-	-	882	1148
1937	7	14	8	20	15	-	-	1059	1446
1938	-	-	86	20	-	-	-	1046	1359
10 Yr. Ave.	13	14	11	20	2	0	4	767	1247

Year	Wild Hay	All Pasture	All Other Crops	Buildings, Feedlots, Highways	Woodlots for Tim- ber only	Waste- land	Idle Crop Land
	Acres	Acres	Acres	Acres	Acres	Acres	Acres
1929	799	4388	4	1660	-	307	32
1930	774	4263	42	1567	-	174	-
1931	721	4164	5	1600	-	293	-
1932	637	4120	4	1600	10	145	-
1933	562	4169	17	1630	20	51	-
1934	720	5536	156	992	3	195	1218
1935	708	5802	277	1028	-	5	11
1936	515	8135	7	1045	1	93	-
1937	459	6519	17	1377	-	20	10
1938	521	4327	438	1352	6	312	402
10 Yr. Ave.	642	5142	97	1385	4	160	167

10 Year average Acres: Spring Wheat 1; Flaxseed 18; Popcorn 0. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 13
LAND UTILIZATION AND YIELDS

Nevada Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	87	20939	241	7636	33	5530	34	105	6	958	24
1930	91	22161	244	8340	27	5564	34	-	-	246	24
1931	83	22049	266	8260	26	6456	24	100	10	55	12
1932	88	22058	251	8137	29	7058	30	135	9	125	16
1933	86	22096	257	8016	43	7654	8	-	-	20	8
1934	85	22314	263	6888	31	6385	12	65	11	164	15
1935	85	22323	263	7050	37	7583	29	170	19	550	20
1936	81	21520	266	7895	19	7131	21	176	20	40	12
1937	92	22696	247	8460	38	6550	42	285	14	40	38
1938	86	22548	262	7401	52	5936	37	280	19	-	-
10 Yr. Ave.	86	22070	255	7808	33	6585	27	132	15	220	21
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	1116	15	-	-	-	-	-	75	442		
1930	812	15	-	-	-	-	2	81	404		
1931	1461	10	-	-	-	-	-	127	469		
1932	897	6	-	-	-	-	-	413	855		
1933	135	7	-	-	-	-	-	194	271		
1934	65	2	300	2	-	-	-	233	292		
1935	265	6	90	17	-	-	-	187	342		
1936	110	8	186	9	-	-	-	192	549		
1937	171	16	180	14	-	-	-	430	707		
1938	163	14	131	21	-	-	-	401	820		
10 Yr. Ave.	520	11	89	10	0	0	.2	233	515		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres				
1929	257	3259	67	775	385	344	25				
1930	150	5764	13	779	30	57	-				
1931	163	3432	12	890	170	581	-				
1932	60	3290	-	576	110	815	-				
1933	211	3540	142	580	227	823	477				
1934	372	4284	138	554	208	410	2189				
1935	414	4198	244	770	236	401	10				
1936	143	3554	175	1035	239	141	146				
1937	144	4188	295	905	55	709	7				
1938	208	5098	435	801	79	517	679				
10 Yr. Ave.	216	4061	152	766	174	480	353				

10 Year Average Acres: Spring Wheat 2; Flaxseed 2; Popcorn 4. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 14
LAND UTILIZATION AND YIELDS

Rush Lake Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	104	21302	205	8700	38	6633	36	90	18	361	35
1930	96	18604	194	7873	34	5669	34	74	12	411	27
1931	105	21462	204	9230	36	6241	36	51	18	432	30
1932	104	21495	207	8919	38	6434	36	-	-	547	23
1933	108	21530	199	9308	48	6988	18	-	-	153	9
1934	108	20734	192	6521	34	6157	19	10	7	89	11
1935	113	21078	187	7731	43	6637	34	-	-	114	21
1936	113	21298	188	8294	26	6094	27	17	13	110	20
1937	109	20613	189	8094	55	5554	49	134	18	66	27
1938	109	20620	189	7237	41	6155	36	20	9	83	23
10 Yr. Ave.	107	20874	195	8191	40	6256	32	40	16	237	25

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	91	17	-	-	-	-	-	396	821
1930	10	30	-	-	-	-	-	537	1003
1931	7	29	-	-	-	-	-	640	891
1932	-	-	-	-	-	-	-	668	1071
1933	26	8	7	17	-	-	-	510	796
1934	39	8	-	-	-	-	-	472	1184
1935	19	15	10	13	-	-	-	641	1124
1936	42	26	50	14	-	-	-	675	1079
1937	37	18	171	12	-	28	-	713	1141
1938	3	7	208	12	-	-	-	620	1578
10 Yr. Ave.	27	17	45	13	0	3	0	587	1069

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	265	3156	29	1059	10	87	-
1930	290	2607	78	574	-	15	-
1931	440	3012	10	1124	10	14	-
1932	413	2996	1	1084	5	25	-
1933	253	2757	73	1082	15	47	25
1934	163	3346	94	1207	30	198	1696
1935	150	3215	204	1283	17	428	146
1936	185	3119	59	1092	46	365	746
1937	210	2961	41	1138	23	306	737
1938	119	2720	50	1198	36	446	767
10 Yr. Ave.	249	2989	64	1084	19	193	412

10 Year Average Acres: Spring Wheat 4; Flaxseed 8; Popcorn 1. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 15
LAND UTILIZATION AND YIELDS

Silver Lake Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	126	21063	167	8206	37	6001	37	-	-	816	31
1930	114	21281	187	8513	29	6019	34	-	-	369	33
1931	123	20643	167	8274	32	5894	33	-	-	404	27
1932	126	21736	173	8404	34	6113	32	-	-	826	18
1933	132	21951	166	8715	42	6476	13	-	-	686	10
1934	130	21622	166	6843	29	6051	13	-	-	347	9
1935	131	20907	160	7321	41	6850	31	-	-	530	24
1936	131	21550	165	7746	24	5874	28	-	-	329	19
1937	127	21994	173	8577	46	5913	45	-	-	267	33
1938	129	21079	163	7471	59	5915	36	-	-	240	31
10 Yr. Ave.	127	21383	168	8007	37	6111	30	0	0	481	22
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	140	29	-	-	-	-	-	426	896		
1930	73	22	-	-	-	-	-	467	911		
1931	20	25	-	-	-	-	-	523	962		
1932	32	12	-	-	-	-	-	611	1062		
1933	51	16	-	-	-	-	-	509	958		
1934	73	5	-	-	-	-	10	500	1002		
1935	68	10	-	-	4	-	12	599	1104		
1936	46	14	14	19	-	-	-	802	1258		
1937	51	22	117	15	-	-	-	942	1392		
1938	48	17	183	18	3	17	-	809	1460		
10 Yr. Ave.	60	18	31	17	1	2	2	619	1100		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres				
1929	327	3183	58	1378	-	58	-				
1930	308	3545	47	1414	-	82	-				
1931	432	3137	30	1399	-	91	-				
1932	348	3291	97	1285	67	193	18				
1933	318	3241	181	1200	62	48	15				
1934	325	3377	543	1200	14	92	1745				
1935	231	3070	394	1162	30	61	70				
1936	293	3160	244	1190	23	94	1279				
1937	326	3237	222	1174	26	151	541				
1938	253	3150	171	1189	47	92	857				
10 Yr. Ave.	316	3239	199	1259	27	96	452				

10 Year Average Acres: Spring Wheat 3; Flaxseed 30; Popcorn 2. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 16
LAND UTILIZATION AND YIELDS

Vernon Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	106	21689	205	8737	35	7031	37	-	-	404	30
1930	110	22233	202	9422	31	7347	39	-	-	181	24
1931	104	22439	216	9566	37	6767	39	-	-	283	27
1932	104	22476	216	9517	42	7395	38	-	-	131	21
1933	104	22482	216	9362	45	7435	15	-	-	207	11
1934	104	22450	216	7020	38	7178	15	-	-	103	9
1935	105	22464	214	8946	40	7633	39	-	-	287	23
1936	105	22470	214	9153	22	6834	32	-	-	78	15
1937	107	21933	205	9444	45	7028	48	-	-	21	35
1938	106	21613	204	8146	52	6819	31	-	-	76	26
10 Yr. Ave.	106	22225	211	8931	39	7147	33	0	0	177	23

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	50	28	-	-	-	-	-	189	626
1930	86	17	5	15	-	-	-	287	766
1931	68	18	6	25	-	-	-	312	585
1932	83	8	-	-	-	-	-	513	757
1933	35	10	-	-	-	10	-	358	762
1934	40	11	-	-	-	-	-	364	1147
1935	24	8	-	-	-	-	-	609	1218
1936	17	18	-	-	-	-	48	560	835
1937	42	19	90	19	-	-	-	632	1009
1938	27	16	150	20	-	-	30	627	1137
10 Yr. Ave.	47	15	25	20	0	1	8	445	884

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	337	3384	76	1009	-	17	18
1930	246	2948	101	1079	-	52	-
1931	234	3614	83	1119	-	114	-
1932	191	3104	60	1073	-	93	72
1933	160	3281	44	1060	-	63	73
1934	210	3830	36	1112	-	97	1677
1935	179	2688	70	1137	2	151	129
1936	219	3645	42	1179	13	121	286
1937	177	2546	-	1097	2	86	391
1938	82	2716	51	1124	10	99	1146
10 Yr. Ave.	204	3176	56	1099	3	89	379

10 Year Average Acres: Spring Wheat 3; Flaxseed 22; Popcorn .3. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 17
LAND UTILIZATION AND YIELDS

Walnut Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	118	20559	174	6847	31	4655	35	9	19	414	28
1930	116	20304	175	6788	19	4755	35	22	30	221	35
1931	116	20686	178	7134	31	4416	37	48	21	433	30
1932	115	20493	178	6944	38	4320	32	108	10	649	18
1933	120	21549	180	7684	39	4468	10	-	-	604	7
1934	120	20501	171	6198	38	4081	15	-	-	272	12
1935	121	20957	173	6812	40	5481	37	11	27	270	30
1936	117	20453	175	7413	21	4689	24	-	-	172	17
1937	120	20899	174	7283	40	4714	46	14	7	104	34
1938	115	21307	185	6559	53	4915	32	49	15	76	20
10 Yr. Ave.	118	20771	176	6966	35	4649	31	26	15	322	21
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	486	13	-	-	-	-	-	343	801		
1930	325	14	7	20	-	-	-	464	843		
1931	831	15	15	20	-	-	-	502	811		
1932	810	7	-	-	-	-	-	535	914		
1933	110	4	6	12	-	-	-	512	1078		
1934	113	3	16	16	-	-	-	474	1147		
1935	105	17	13	15	-	-	25	514	1384		
1936	83	16	52	10	-	-	63	740	1197		
1937	332	17	30	10	-	-	10	917	1330		
1938	381	15	240	20	-	-	-	833	1421		
10 Yr. Ave.	358	12	38	17	0	0	10	583	1093		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres				
1929	293	5898	48	908	120	80	-				
1930	294	6081	62	896	-	10	-				
1931	330	5648	11	1009	-	-	-				
1932	301	5490	36	917	-	4	-				
1933	315	6014	32	961	-	-	277				
1934	288	5458	338	1214	67	137	1172				
1935	202	5328	198	1095	-	8	25				
1936	246	5369	8	1115	25	-	21				
1937	211	5191	229	1209	-	115	127				
1938	259	4732	407	1146	45	776	301				
10 Yr. Ave.	274	5521	137	1047	26	113	192				

10 Year Average Acres: Spring Wheat 6; Flaxseed 13; Popcorn 2. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 18
LAND UTILIZATION AND YIELDS

West Bend Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	112	21567	193	8194	41	6457	39	-	-	386	31
1930	114	21353	187	8675	34	6307	38	-	-	352	30
1931	106	21026	198	8564	34	5990	37	-	-	282	35
1932	107	21033	197	8901	43	6035	36	-	-	315	22
1933	110	21068	192	8941	46	6671	21	10	10	190	20
1934	110	20179	183	6536	39	5790	20	11	13	82	21
1935	108	20751	192	6961	43	6399	38	7	21	218	29
1936	110	20769	189	7331	24	5388	31	14	28	65	22
1937	105	20367	194	7705	46	5754	44	14	18	37	21
1938	105	20363	194	7309	53	5816	41	4	12	-	-
10 Yr. Ave.	109	20848	192	7912	41	6061	35	6	18	193	28

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	40	14	7	12	-	-	-	414	1004
1930	100	15	6	17	-	-	-	515	857
1931	40	15	-	-	-	-	-	504	732
1932	-	-	23	12	-	-	-	583	674
1933	29	16	11	19	-	-	-	632	809
1934	9	9	-	-	-	-	-	507	1038
1935	23	24	-	-	-	-	-	682	1262
1936	14	17	59	15	-	-	-	742	1052
1937	23	14	40	2	-	-	-	733	955
1938	70	9	128	21	-	-	-	705	1143
10 Yr. Ave.	35	14	27	16	0	0	0	602	953

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings Feedlots, Highways Acres	Woodlots for Timber only Acres	Waste-Land Acres	Idle Crop Land Acres
1929	322	3461	81	1226	254	135	-
1930	348	3354	105	1079	83	87	-
1931	327	3881	4	1094	-	112	-
1932	153	3686	25	1106	15	100	-
1933	172	3394	73	639	6	113	10
1934	119	3678	81	770	-	91	1974
1935	188	4691	45	952	-	4	1
1936	154	5359	45	936	-	47	305
1937	182	4535	103	1012	-	7	-
1938	136	4769	85	861	-	4	38
10 Yr. Ave.	210	4081	65	968	36	70	233

10 Year Average Acres: Spring Wheat 9; Flaxseed 24; Popcorn 0. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 19
LAND UTILIZATION AND YIELDS
Total Incorporated Town Data

Ayrshire, Curlew, Cylinder, Emmetsburg, Graettinger, Mallard,
Rodman, Ruthven, West Bend.

Rothman, Ruthven, West Bend.											
Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	59	2835	48	995	41	753	40	-	-	9	25
1930	64	2117	33	741	40	454	44	-	-	-	-
1931	62	2371	38	900	36	487	41	-	-	-	-
1932	60	1870	31	656	43	362	40	-	-	10	20
1933	64	2014	31	688	49	434	18	-	-	-	-
1934	68	2077	31	611	34	365	17	-	-	11	7
1935	66	2059	31	691	43	510	37	-	-	10	27
1936	70	2268	32	929	29	446	27	-	-	-	-
1937	74	2133	29	867	48	407	46	25	22	15	33
1938	54	1984	37	798	53	426	38	30	13	-	-
10 Yr. Ave.	64	2173	34	788	41	464	35	6	17	6	23
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	20	29	9	22	-	-	-	54	95		
1930	-	-	-	-	-	-	-	78	116		
1931	-	-	-	-	-	-	-	50	79		
1932	-	-	-	-	-	-	-	63	117		
1933	-	-	3	17	-	15	-	69	111		
1934	-	-	-	-	-	-	-	78	120		
1935	2	10	-	-	-	-	-	73	100		
1936	10	7	4	4	-	-	-	108	197		
1937	-	-	5	16	-	-	-	99	111		
1938	-	-	21	10	-	-	-	49	95		
10 Yr. Ave.	3	21	4	13	0	2	0	72	114		
Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Buildings, Feedlots, Highways Acres	Woodlots for Tim- ber only Acres	Waste- land Acres	Idle Crop Land Acres				
1929	7	843	2	98	-	4	-				
1930	3	656	19	128	-	-	-				
1931	71	662	25	122	-	25	-				
1932	2	587	6	105	-	25	-				
1933	2	591	9	133	-	-	43				
1934	-	701	26	143	20	-	80				
1935	1	539	17	155	28	-	6				
1936	-	424	6	149	16	-	87				
1937	-	461	31	192	-	3	16				
1938	6	385	5	161	14	3	40				
10 Yr. Ave.	9	585	15	139	8	6	27				

10 Year Average Acres: Spring Wheat .5; Flaxseed 2; Popcorn .3. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

*Included in "All Tame Hay."

TABLE 20
COUNTY LIVESTOCK NUMBERS
January 1

Year	All Cattle*	Milk Cows	Horses	Mules	Sheep	Hogs
1870	2375	314	598	15	-	725
1880	13903	4133	2231	75	503	10900
1890	31235	3539	3627	163	2075	23893
1900	40693	17034	10765	193	4164	39373
1910	36115	12945	11342	225	5333	34645
1920	41536	13417	13935	403	4622	65539
1925	34320	12767	11826	724	2251	77342
1930	33719	13652	11503	667	4512	82216
1935	47263	16326	9362	547	20933	63659
1936	45663	16233	9154	512	4452	70312
1937	40315	15839	9008	486	5036	67702
1938	41395	15550	8326	452	6506	73192
1939	41069	15522	7606	424	6246	79771

The figures in this table for the years 1870-1935 inclusive have been derived from the Federal Censuses for Iowa. These enumerations have been made as of different dates. Some enumerations were for a base date of January 1, others for a base date of April 1, and others for June 1.

The census enumerations made in 1920, 1925 and 1935 were for January 1. For comparability the enumerations made for the base dates of April 1 and June 1 were adjusted to an equivalent January 1 base. This adjustment procedure places the livestock data of the above table on the one inventory date of January 1.

The figures for 1936, 1937, 1938 and 1939 for all cattle and milk cows are estimates of the Division of Agricultural Statistics of the Iowa Department of Agriculture and those for horses, mules, hogs and sheep are adjusted State farm assessors' figures.

The adjusted county figures for horses, mules, hogs and sheep for the last four years in the table are more nearly accurate than those in Table 21 and comparison with these figures will provide an estimate of the bias displayed by the unadjusted State farm assessors' figures.

*Includes Milk Cows.

TABLE 21
LIVESTOCK NUMBERS
By Townships

Township	1936					1937				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Booth	560	21	2220	486	3834	559	25	2070	670	3489
Ellington	473	30	2009	285	3668	508	23	2243	254	3598
Emmetsburg	497	15	2041	153	2185	490	14	1973	72	2233
Fairfield	569	51	2317	33	3626	541	27	2671	139	3463
Fern Valley	556	25	2556	12	3302	541	19	2370	-	3471
Freedom	449	60	1906	373	2376	466	52	1604	292	2020
Great Oak	579	19	2054	127	3429	546	13	2392	144	3125
Highland	500	41	2697	446	3921	440	20	2747	392	3576
Independence	643	23	3099	123	4996	620	23	3049	255	4236
Lost Island	505	6	2935	30	2442	410	6	2754	-	2329
Nevada	450	14	1032	60	2132	573	14	1903	80	1560
Rush Lake	515	43	2185	120	3659	437	50	2616	224	3555
Silver Lake	620	16	2420	59	3946	621	17	2373	56	5402
Vernon	496	28	2370	91	5409	477	28	2243	167	3369
Walnut	505	14	2946	120	2520	517	21	2651	112	2591
West Bend	527	34	2155	297	4035	522	46	2327	401	3602
ALL TOWNS	45	2	220	64	279	63	-	292	20	147
COUNTY	3494	420	39200	2892	54739	3205	404	38363	3328	50459

Township	1938					1939				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Booth	498	11	2057	759	3450	417	16	1937	631	4447
Ellington	479	14	2293	343	4167	413	15	2196	392	4574
Emmetsburg	448	14	2534	220	2936	395	9	2157	216	3422
Fairfield	527	53	2630	372	3364	475	31	2215	107	5521
Fern Valley	471	23	2397	71	3761	433	20	2113	58	4103
Freedom	443	67	1315	320	2729	404	67	1765	260	3716
Great Oak	502	12	2394	170	2779	492	11	2157	100	5553
Highland	441	24	2732	440	3711	423	20	2835	486	4076
Independence	579	17	2333	145	4299	500	19	2730	241	5236
Lost Island	311	-	2335	77	2492	495	5	2703	157	3704
Nevada	431	12	2149	221	2072	376	14	1935	151	2208
Rush Lake	436	45	2301	460	3552	424	44	2301	561	4035
Silver Lake	577	13	2300	165	4036	490	12	2475	163	4290
Vernon	407	16	2207	255	3122	407	30	1941	204	3600
Walnut	517	10	2561	105	2644	462	16	2546	93	4312
West Bend	452	45	2070	317	3397	362	33	1961	467	3554
ALL TOWNS	54	-	154	59	160	43	-	245	33	270
COUNTY	7653	367	37977	4520	53221	7019	362	36210	4490	60510

The statistics in this table are biased downward. They are printed only to permit inter-township and inter-annual comparisons. Unless townships are equal in size, comparisons may not be directly made. It is assumed that individual assessors are subject to approximately the same bias. Compare Table 20 for the magnitude of the bias.

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 42
CHEESE STATISTICS
1905-1939

Year	Number of Creameries In County	Butter Made	Butter Sold in Iowa	Butter Sold out of Iowa
		Thousand Pounds	Thousand Pounds	Thousand Pounds
1905	14	1,451	202	1,249
1906	12	2,056	377	*
1907	14	1,600	212	*
1908	14	1,746	236	*
1909	14	1,703	241	*
1910	14	1,637	228	*
1911	14	1,694	229	*
1912	13	1,493	205	1,295
1913	11	1,538	296	1,239
1914	12	1,513	253	1,260
1915	11	1,372	114	1,097
1916	11	1,424	272	1,153
1917	10	1,300	256	1,191
1918	9	1,192	223	966
1919	8	1,037	209	848
1920	7	746	332	532
1921	7	820	355	452
1922	8	1,060	271	779
1923	7	1,233	254	1,029
1924	8	1,357	255	1,093
1925	8	1,496	234	1,205
1926	7	1,552	230	1,291
1927	7	1,331	453	1,466
1928	7	2,020	1,070	943
1929	7	2,403	1,373	1,019
1930	7	2,535	1,562	1,121
1931	7	2,377	1,437	1,440
1932	7	2,951	1,429	1,027
1933	3	3,220	2,192	1,032
1934	3	2,357	2,161	329
1935	3	2,408	1,445	964
1936	3	2,564	1,267	490
1937	7	2,560	1,549	310
1938	7	2,655	2,299	310
1939	*	*	*	*

The sum of the two columns "Butter Sold In Iowa" and "Butter Sold Out of Iowa" is not intended to equal the second column "Butter Made", because stocks of butter on hand at the end of the year and butter used for miscellaneous purposes are not included in this table.

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.
*Not given in source.

TABLE 23
CHICKENS AND EGGS
1880-1935

Year	Chickens	Eggs Produced
	Number	Dozen
1880	19,554	86,532
1885	34,699	75,390
1890	77,532	340,423
1895	103,577	333,439
1900	147,555	600,690
1905	168,298	709,330
1910	218,894	654,104
1915	212,703	351,251
1920	230,683	1,166,953
1925	267,191	1,198,619
1930	303,590	1,770,442
1935	234,766	1,429,470

Source: U.S. Agricultural Census.
Iowa Agricultural Census.

TABLE 24
NUMBER OF FARMS REPORTING SPECIFIED ITEMS

Year	Number of Farms	GRAIN CROPS								
		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Buck-wheat	Soy-beans	Flax-seed
1930	1842	1748	1662	14	10	255	95	1	6	24
1932	1825	1760	1672	20	5	265	83	0	4	13
1934	1866	1777	1635	14	8	189	41	0	12	9
1936	1875	1813	1750	17	6	124	50	<u>1/</u>	42	7
1938	1861	1806	1734	18	8	91	53	<u>1/</u>	199	25
Average	1854	1781	1691	17	7	185	64	0	53	16
Year	Pop-corn	HAY CROPS								Wild Hay
		Clover and Timothy	Alfalfa	Soy-bean	Grain Cut Green	Clover	Timothy	Sudan Grass	Other Tame Hay	
1930	4	265	746	13	<u>1/</u>	33	122	10	58	377
1932	2	125	954	33	25	37	108	67	56	286
1934	3	76	906	342	136	22	31	276	515	345
1936	5	211	1122	218	97	<u>1/</u>	<u>1/</u>	<u>1/</u>	83	323
1938	3	239	1172	497	59	<u>1/</u>	<u>1/</u>	<u>1/</u>	137	318
Average	3	183	980	221	79	31	87	118	170	330
Year	GRASS SEED			All Pasture	LIVESTOCK					
	Timothy	Red & Alsike Clover	Sweet Clover		Horses	Mules	Cattle	Sheep	Hogs	Sows for Spring Farrow
1930	0	2	4	1665	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	1427
1932	1	0	1	1699	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	1419
1934	1	0	8	1723	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	1386
1936	1	0	7	1744	1594	142	1657	179	1533	1370
1938	4	3	7	1727	1617	122	1711	214	1572	1480
Average	1	1	5	1712	1606	132	1684	196	1552	1416
Year	EQUIPMENT				MISCELLANEOUS					Other Crops
	Trac-tors	Trucks	Autos	Radios	Pota-toes	Apples	Timber and Wood	Waste-land	Idle Crop Land	
1930	554	285	1581	837	129	1	13	101	5	24
1932	458	244	1596	548	311	92	25	107	7	0
1934	489	186	1629	691	391	12	90	316	1292	436
1936	852	137	1637	1306	276	10	76	262	352	270
1938	1182	150	1647	1405	<u>1/</u>	<u>1/</u>	66	418	466	305
Average	707	200	1618	957	277	29	54	241	424	207

1/ Not given in source.

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 25
FARM AND LAND TENURE

Year	OWNERS				PART-OWNERS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	537	29.3	86,117	25.0	143	7.8	34,643	10.0
1930	533	29.0	88,069	25.6	130	7.1	31,960	9.3
1932	521	28.7	87,547	25.2	139	7.6	34,235	9.9
1934	490	26.3	80,289	23.1	116	6.2	28,659	8.2
1936	457	24.4	73,603	21.1	118	6.3	29,164	8.4
1938	557	30.6	90,659	26.1	131	7.2	34,761	10.0
1928 - 38 Average	516	28.0	84,381	24.3	129	7.0	32,237	9.3
Year	TENANTS				TOTALS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	1,154	62.9	224,032	65.0	1,183	100.0	344,792	100.0
1930	1,172	63.9	224,005	65.1	1,835	100.0	344,034	100.0
1932	1,158	63.7	225,250	64.9	1,818	100.0	347,032	100.0
1934	1,260	67.5	238,696	68.7	1,866	100.0	347,644	100.0
1936	1,300	69.3	246,057	70.5	1,875	100.0	348,824	100.0
1938	1,130	62.2	222,036	63.9	1,818	100.0	347,456	100.0
1928-- 38 Average	1,196	65.0	230,012	66.4	1,841	100.0	346,630	100.0

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 26
YEARS OF TENURE
January 1, 1935

Owners	Palo Alto County		State of Iowa	
	Number of Farms	Percent of County Total	Number of Farms	Percent of State Total
On present farm less than 1 year	26	4.0	4442	5.2
1 year	17	3.1	3193	3.3
2 years	19	3.5	3232	3.3
3 years	16	2.9	2357	3.4
4 years	23	4.2	3223	3.6
5-9 years	31	14.9	11726	13.1
10-14 years	66	12.1	11279	13.2
15 years and over	297	54.5	45076	53.0
TOTALS	545	100.0	85038	100.0
Tenants				
On present farm less than 1 year	209	17.7	21763	20.1
1 year	146	12.4	15053	13.9
2 years	121	10.3	11555	10.7
3 years	105	8.9	3285	7.7
4 years	91	7.7	7564	7.0
5 years and over	506	43.0	43326	40.6
TOTALS	1178	100.0	102046	100.0

Source: U.S. Agricultural Census.

TABLE 27
FREQUENCY DISTRIBUTION OF FARMS BY SIZE CLASSES

Acres in Farms	Number of Farms									
	1928		1930		1932		1934		1936	
	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total	No. of Farms	% of Total
0-9	22	1.20	28	1.53	32	1.76	38	2.04	35	1.87
10-29	42	2.29	31	1.69	30	1.65	46	2.47	36	1.92
30-49	39	2.13	34	1.85	33	1.81	38	2.04	38	2.03
50-69	34	1.85	39	2.13	23	1.26	25	1.34	29	1.55
70-109	215	11.72	225	12.26	223	12.27	235	12.59	233	12.42
110-149	266	14.50	248	13.52	237	13.04	262	14.04	257	13.71
150-189	519	28.30	533	29.05	535	29.43	535	28.67	567	30.24
190-229	152	8.29	157	8.56	157	8.63	167	8.95	169	9.01
230-269	201	10.96	198	10.79	201	11.06	196	10.50	188	10.02
270-309	94	5.13	98	5.34	83	4.57	84	4.50	85	4.43
310-349	137	7.47	134	7.30	143	7.87	128	6.86	130	6.93
350-389	37	2.02	34	1.85	40	2.20	34	1.82	54	2.88
390-429	32	1.75	30	1.64	28	1.54	27	1.45	13	.69
430-469	12	.65	12	.65	20	1.10	16	.86	5	.27
470-509	14	.76	11	.60	18	.99	12	.64	13	.69
510-549	4	.22	6	.33	3	.16	0	0	4	.21
550-589	2	.11	3	.16	2	.11	8	.43	5	.27
590-629	5	.27	3	.16	2	.11	4	.21	3	.16
630-669	2	.11	3	.16	4	.22	3	.16	5	.27
670-709	0	0	1	.05	0	0	3	.16	2	.11
710-over	5	.27	7	.38	4	.22	5	.27	6	.32
Total Farms	1834	100.00	1835	100.00	1818	100.00	1866	100.00	1875	100.00
									1818	100.00

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 28
AUTOS, TRUCKS, TRACTORS AND RADIOS
1926-1939

Year	Automobiles	Trucks	Tractors	Radios
1926	1374	152	377	290
1927	1956	190	430	455
1928	1937	231	469	541
1929	1909	254	433	600
1930	1920	310	566	811
1931	1332	279	555	837
1932	1339	260	539	804
1933	1690	244	479	532
1934	1735	224	497	551
1935	1754	192	512	724
1936	1730	150	720	997
1937	1752	145	864	1327
1938	1730	150	1036	1407
1939	1210	153	1201	1595

Source: Division of Agricultural Statistics,
Iowa Department of Agriculture.

TABLE 29
MORTGAGE OWNED BY CORPORATIONS
January 1, 1937

Township	Insurance Com- panies	Banks	Land & Mort- gage Com- panies	Fed- eral Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corpo- rate Owned
West Bend	2,858	-	-	233	-	335	3,429	15.31
Ellington	3,924	73	357	320	555	78	5,112	24.13
Rush Lake	2,573	-	1,423	551	353	39	4,749	21.29
Booth	3,916	640	1,755	-	-	-	6,311	29.23
Fern Valley	3,923	-	235	-	336	-	4,494	21.41
Nevada	5,093	597	1,443	544	460	79	8,221	35.39
Great Oak	6,130	-	-	210	156	141	6,637	31.14
Silver Lake	5,563	157	-	-	69	241	6,030	23.66
Fairfield	1,878	455	-	-	240	147	2,713	12.61
Freedom	3,676	79	1,252	314	-	153	5,477	27.52
Emmetsburg	3,827	119	327	464	156	-	4,955	24.56
Highland	2,119	-	150	-	-	-	2,269	10.63
Independence	2,417	-	295	115	39	77	2,943	13.02
Vernon	5,172	-	-	-	-	156	5,328	23.55
Walnut	3,261	152	314	-	628	46	4,401	19.46
Lost Island	2,694	156	156	-	60	102	3,176	14.95
County Total	53,874	2,431	7,777	2,754	2,365	1,597	76,293	21.93

Source: Department of Economics and Sociology,
Iowa State College.

TABLE 30
 LANDS OWNED BY CORPORATIONS
 January 1, 1939

Township	Insur- ance Com- panies	Banks	Land & Mort- gage Com- panies	Fed- eral Land Banks	Joint Stock Land Banks	Others	Total	Total Land Corpo- rate Owned
West Bend	3,732	-	-	263	-	535	4,350	20.05
Ellington	4,132	120	-	240	-	-	4,492	21.20
Rush Lake	2,560	-	1,472	156	-	59	4,233	13.93
Booth	4,159	-	1,795	-	240	-	6,194	22.69
Fern Valley	4,231	-	235	-	316	117	4,899	23.34
Levada	3,084	326	1,290	454	460	79	5,693	37.42
Great Oak	3,045	-	-	370	-	141	3,556	30.55
Silver Lake	5,486	157	-	-	80	261	5,984	26.46
Fairfield	2,341	485	-	-	320	147	3,291	15.27
Freedom	5,501	79	-	157	-	156	5,893	29.61
Emmetsburg	4,445	-	327	339	-	-	5,221	25.39
Highland	2,119	-	-	-	40	-	2,159	10.11
Independence	2,372	-	-	-	39	77	2,983	13.22
Vernon	5,249	100	-	-	-	156	5,505	24.33
Walnut	3,632	272	-	-	520	40	4,520	19.93
Lost Island	2,631	-	196	-	-	102	2,979	14.02
County Total	37,345	1,537	5,331	2,029	2,015	1,650	77,957	22.46

Source: Department of Economics and Sociology,
 Iowa State College.

TABLE 31
VALUE OF FARM LAND AND BUILDING
1880-1935

Year	Number of Farms*	Number of Acres*	Value of Land	Value of Buildings	Value of Land and Buildings	Value of Land & Bldgs.	
						Per Acre	Per Farm
1880	573	80,649	-	-	\$ 931,035	\$ 11.54	\$ 1,625
1890	1,139	201,263	-	-	3,815,530	19.96	3,350
1900	1,661	342,509	9,372,930	1,421,810	10,794,740	31.52	6,499
1910	1,607	324,468	20,234,323	3,010,085	23,244,913	71.64	14,465
1920	1,815	334,409	69,205,315	7,992,840	76,198,155	227.86	41,982
1925	1,812	330,767	44,490,131	7,847,725	52,337,856	158.23	28,884
1930	1,883	347,147	32,787,837	8,570,331	41,358,218	119.14	21,964
1935	1,947	353,228	-	-	25,556,296	72.35	13,126

*Differences in numbers of farms and acres reported in this table and in other tables in this bulletin are due to differences in sources of data.

Source: U.S. Agricultural Census..

1939
REAL PROPERTY AND MONEYS AND CREDITS TAXES
COLLECTIBLE IN 1939, FOR ALL PURPOSES
(Exclusive of Special Assessments)

	Cities and Towns	Rural Districts	Total for County
General State Tax	\$ 5,943.10	\$ 39,605.06	\$ 45,548.16
Soldiers' Bonus Tax	1,919.81	6,889.43	8,809.24
General County Tax	6,002.54	40,001.11	46,003.65
Court Expense Tax	891.45	5,940.76	6,832.21
Poor Tax	4,457.35	29,703.79	34,161.14
Insane Tax, State Hospital	1,129.18	7,524.98	8,654.16
Insane Tax, County Hospital	-	-	-
County School Tax	742.91	4,950.63	5,693.54
Soldiers' Relief Tax	742.91	4,950.63	5,693.54
General County Bond Tax	4,011.60	26,733.42	30,745.02
Court House Tax	-	-	-
Emergency Tax	2,971.56	19,802.57	22,774.13
Bovine Tuberculosis Eradication	-	-	-
Secondary Roads - Construction	1,426.34	9,505.24	10,931.58
Secondary Roads - Maintenance	5,461.44	79,606.24	85,067.68
District School Tax	81,381.76	215,609.57	296,991.33
City Tax	37,982.47	-	37,982.47
Miscellaneous Taxes	648.59	379.64	1,028.23
Total	155,713.01	491,203.07	646,916.08*

*Includes special one mill tax on moneys and credits for Soldiers' Bonus Bonds.

Source: 1939 Report,
State Board of Assessment and Review.

TABLE 33
NUMBER OF SCHOOLS BY TYPE

Type of School	Number of Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	2	2	2
2. One-room rural elementary	93	89	85
3. Two-room (or more) rural elementary	-	-	-
4. Elementary, not rural	13	11	10
5. Separately organized Jr. High	-	-	-
6. Jr.-Sr. High, One organization	-	-	1
7. Separately organized Sr. High	-	-	-
8. Regular High, 4 years or less	9	9	9
9. Junior College	-	1	1
Total Number of Schools	117	112	107

TABLE 34
ENROLLMENT IN SCHOOLS BY TYPE

Type of School	Enrollment in Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	54	82	84
2. One-room rural elementary	1426	1316	1123
3. Two-room (or more) rural elementary	-	-	-
4. Elementary, not rural	1410	1499	1394
5. *Jr.-Sr. High, 1 organization	-	-	166
6. Regular High, 4 years or less	844	891	826
7. Junior College	-	42	59
Total Enrollment in all Schools	3734	3330	3652

*Includes enrollment for School Types 5, 6 and 7 in Table 33.

Source: Annual Reports of County Superintendents to
State Department of Public Instruction.

TABLE 35
MILES OF ROADS BY TYPE
January 1, 1939

Type of Surface	Primary Roads Outside Corporation	Secondary Roads		Total Mileage in Road System
		County Trunk	Local County	
Earth				
Unimproved	-	-	192.23	192.23
Improved	-	-	53.70	53.70
Surfaced				
Soil Surfaced	-	-	-	-
Shale	-	-	-	-
Gravel	7.6	148.75	549.75	706.10
Stone	-	-	-	-
Paved				
Bituminous	-	-	-	-
Concrete	52.5	-	-	52.50
Brick	-	-	-	-
County Total	60.1	148.75	775.68	984.53

Source: Annual Report, 1933,
Iowa Highway Commission.

